

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5812601".pn.	US-PGPUB; USPAT	AND	ON	2007/12/11 08:19
S3	1	"5438590".PN.	US-PGPUB; USPAT	AND	ON	2007/12/11 08:20
S4	6019	puncturing and transmit\$3	US-PGPUB; USPAT	AND	ON	2007/12/11 08:20
S6	1	"7013412".PN.	US-PGPUB; USPAT	AND	ON	2008/04/09 15:57
S7	1243	punctur\$3 with inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 15:59
S8	995	punctur\$3 near5 inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 16:00
S9	590	(punctur\$3 near5 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/04/09 16:01
S10	743	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/04/09 16:01
S11	270	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and "375".clas.	US-PGPUB; USPAT	AND	ON	2008/04/09 16:01
S12	290	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and "714".clas.	US-PGPUB; USPAT	AND	ON	2008/04/09 16:01
S13	19	((Martin with Bacher) or (Stefano with Marsili)).in.	US-PGPUB; USPAT	AND	ON	2008/04/09 17:04
S14	7474	infineon.as.	US-PGPUB; USPAT	AND	ON	2008/04/09 17:04
S15	7418	(infineon with technolog\$4).as.	US-PGPUB; USPAT	AND	ON	2008/04/09 17:05
S16	34	(infineon with technolog\$4).as. and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:05
S17	3	((Martin with Bacher) or (Stefano with Marsili)).in. and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:06
S18	3	((Martin with Bacher) or (Stefano with Marsili)).in. and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:06

S19	199	(infineon with technolog\$4).as. and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:06
S20	26	(infineon with technolog\$4).as. and inter\$1leav\$3 and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:06
S22	3	((Martin with Bacher) or (Stefano with Marsili)).in. and punctur\$3 and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 17:08
S23	21	(infineon with technolog\$4).as. and (inter\$1leav\$3 same punctur\$3)	US-PGPUB; USPAT	AND	ON	2008/04/09 17:11
S24	1	"20050166127".pn.	US-PGPUB; USPAT	AND	ON	2008/04/09 17:13
S25	185	(714/790).ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/04/09 18:09
S26	21	Decimat\$3 with punctur\$3	US-PGPUB; USPAT	AND	ON	2008/04/09 18:19
S27	92	(375/146-147,259,262,316,341).ccls. and (punctur\$3 near5 inter\$1leav\$3)	US-PGPUB; USPAT	AND	ON	2008/04/09 18:34
S28	65	(375/146-147,259,262,316,341).ccls. and (punctur\$3 near5 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/04/09 18:34
S29	3	(375/146-147,259,262,316,341).ccls. and (punctur\$3 near5 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with locat\$3)	US-PGPUB; USPAT	AND	ON	2008/04/09 18:35
S30	7	(375/146-147,259,262,316,341).ccls. and (punctur\$3 near5 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3))	US-PGPUB; USPAT	AND	ON	2008/04/09 18:35
S31	63	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3))	US-PGPUB; USPAT	AND	ON	2008/04/09 18:37
S32	62	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3)) and (trans\$1mis\$6 or reciev\$3 or trans\$1mit\$6)	US-PGPUB; USPAT	AND	ON	2008/04/09 18:43

S33	51	(punctur\$3 with inter\$1leav\$3).ab. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/04/09 19:05
S34	114	(punctur\$3 and inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3)) and (trans \$1mis\$6 or reciev\$3 or trans\$1mit\$6)	US-PGPUB; USPAT	AND	ON	2008/06/01 16:53
S35	7601	(infineon with technologies).as.	US-PGPUB; USPAT	AND	ON	2008/06/01 16:54
S36	201	(infineon with technologies).as. and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 16:54
S37	26	(infineon with technologies).as. and inter\$1leav\$3 and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 16:55
S38	63	(punctur\$3 with inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3)) NOT (infineon with technolog\$4).as.	US-PGPUB; USPAT	AND	ON	2008/06/01 17:22
S39	46	inter\$1leav\$3 with (second near2 punctur\$3)	US-PGPUB; USPAT	AND	ON	2008/06/01 18:01
S40	29	inter\$1leav\$3 with (second near2 punctur\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 18:05
S41	1	"20010034868".pn.	US-PGPUB; USPAT	AND	ON	2008/06/01 18:30
S42	150	375/265.ccls. and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 18:34
S43	123	375/265.ccls. and punctur\$3 and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 18:34
S44	176	714/790.ccls. and punctur\$3 and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 18:38
S45	186	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 18:38

S46	136	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 18:38
S47	10	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and cascad\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 19:10
S48	11	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (ser\$1al with punctur\$3)	US-PGPUB; USPAT	AND	ON	2008/06/01 19:17
S49	1	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (cascad\$3 with punctur\$3)	US-PGPUB; USPAT	AND	ON	2008/06/01 19:41
S50	16	714/790.ccls. and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (stages with punctur\$3)	US-PGPUB; USPAT	AND	ON	2008/06/01 19:41
S52	17	S39 NOT S40	US-PGPUB; USPAT	AND	ON	2008/06/01 19:45
S53	58	(punctur\$3 near2 rule\$1) and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/01 19:46
S54	37	(punctur\$3 near2 rule\$1) and inter\$1leav\$3 and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 19:46
S56	91	(punctur\$3 with uniform) and inter\$1leav\$3 and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 21:06
S57	52	(punctur\$3 with uniform) and inter\$1leav\$3 and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and parallel	US-PGPUB; USPAT	AND	ON	2008/06/01 21:09
S58	70	(parallel near2 punctur\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/01 21:55
S59	6	(parallel near2 punctur\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (punctur\$3 with (uniform\$4 or balanc\$3))	US-PGPUB; USPAT	AND	ON	2008/06/01 21:56

S60	7	("20020159501"   "20030079170"   "5689439"   "6351832"   "6560748"   "6631491"   "7028230").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/01 22:04
S61	1	"6131180".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/01 22:55
S62	169	punctur\$3 with empty	US-PGPUB; USPAT	AND	ON	2008/06/02 16:36
S63	31	(punctur\$3 with empty) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (data or signal)	US-PGPUB; USPAT	AND	ON	2008/06/02 16:36
S64	37	(punctur\$3 with null) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (data or signal)	US-PGPUB; USPAT	AND	ON	2008/06/02 16:40
S65	90	(punctur\$3 with gap\$1) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (data or signal)	US-PGPUB; USPAT	AND	ON	2008/06/02 17:24
S66	12	(punctur\$3 with gap\$1) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (data or signal) and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 17:32
S67	6	(punctur\$3 with empty) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (data or signal) and inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 19:40
S68	133	(punctur\$3 with empty) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/02 19:46
S69	45	(punctur\$3 with empty) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and (transmit\$7 or transmiss\$5)	US-PGPUB; USPAT	AND	ON	2008/06/02 19:47
S70	307	punctur\$3 adj2 inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 21:12

S71	174	(punctur\$3 adj2 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/02 21:12
S72	1643	two with input with interleav\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 21:47
S73	232	((two or "2" or dual or parallel) near2 input near2 interleav\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/02 21:48
S74	36	((two or "2" or dual or parallel) near2 input near2 interleav\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 21:48
S75	1149	(interleav\$3 with RAM) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	OFF	2008/06/02 22:39
S76	78	(interleav\$3 with RAM) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and punctur\$3	US-PGPUB; USPAT	AND	OFF	2008/06/02 22:39
S77	10	(interleav\$3 with address with RAM) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and punctur\$3	US-PGPUB; USPAT	AND	OFF	2008/06/02 22:42
S78	328	(inter\$1leaving with (empty or null or gap)) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/06/02 22:49
S79	52	(inter\$1leaving with (empty or null or gap)) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/06/02 22:49
S80	1	"7050410".pn.	US-PGPUB; USPAT	AND	ON	2008/06/05 06:16
S81	4	(indication with punctur\$3 with inter\$1leav\$3)	US-PGPUB; USPAT	AND	ON	2008/06/05 06:28
S82	1	(indication with de\$1punctur\$3 with de\$1inter\$1leav\$3)	US-PGPUB; USPAT	AND	ON	2008/06/05 06:30
S83	44	(indicat\$3 with punctur\$3 with inter\$1leav\$3)	US-PGPUB; USPAT	AND	ON	2008/06/05 06:30

S84	1	"20050166127".pn.	US-PGPUB; USPAT	AND	ON	2008/06/05 06:45
S85	4	(de\$1punctur\$3 near3 parallel)	US-PGPUB; USPAT	AND	ON	2008/06/05 06:47
S86	2	(de\$1inter\$1leav\$3 with de\$punctur \$3) and (de\$1inter\$1leav\$3 near2 (insert or null or zero))	US-PGPUB; USPAT	AND	ON	2008/06/05 07:11
S87	5	(de\$1inter\$1leav\$3 with (empty or null or gap)) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") and punctur\$3	US-PGPUB; USPAT	AND	ON	2008/06/05 07:42
S88	5	("20020006119" OR "6553540" or "5029331" or "20020003885" or "7092455").pn.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:22
S89	1	((Martin with Bacher) or (Stefano with Marsili)).in. and (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:24
S90	45	(infineon with technolog\$4).as. (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:24
S91	36	(punctur\$3 and inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") and (punctur\$3 with (locat\$3 or instanc\$3)) and (trans\$1mis\$6 or reciev\$3 or trans\$1mit\$6) (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:24
S92	6	(indicat\$3 with punctur\$3 with inter\$1leav\$3) (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:25
S93	95	(punctur\$3 near5 inter\$1leav\$3) and (@ad< "20020121" or @pd< "20020121" or @prad< "20020121" or @rlad< "20020121") (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:25
S94	12	(punctur\$3 near2 rule\$1) and inter\$1leav\$3 (714/699,746,752,756,790 or 541/59,81 or 711/100,154,157).ccls.	US-PGPUB; USPAT	AND	ON	2008/07/14 14:25
S95	2434	location with punctur\$3	US-PGPUB; USPAT	AND	ON	2008/10/28 14:36
S96	1583	location with punctur\$3 and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 14:37

S97	102	location with punctur\$3 with (signal or indicat\$3) and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 14:51
S98	1	"20050166127".pn.	US-PGPUB; USPAT	AND	ON	2008/10/28 14:56
S99	85	location with punctur\$3 with (indicat\$3) and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 14:58
S100	86	location with punctur\$3 with (indicat\$3 or pointer) and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 14:58
S101	1	S100 not S99	US-PGPUB; USPAT	AND	ON	2008/10/28 14:59
S102	11	location with punctur\$3 with (indicat\$3) and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and cod\$3	US-PGPUB; USPAT	AND	ON	2008/10/28 14:59
S103	45	location with punctur\$3 with (indicat\$3) and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (cod\$3 or transmit\$7 or transmiss\$5)	US-PGPUB; USPAT	AND	ON	2008/10/28 14:59
S104	186	(empty or null or gap) with punctur\$3 and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (cod\$3 or transmit\$7 or transmiss\$5)	US-PGPUB; USPAT	AND	ON	2008/10/28 16:34
S105	102	(empty or null or gap) with puncture and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (cod\$3 or transmit\$7 or transmiss\$5)	US-PGPUB; USPAT	AND	ON	2008/10/28 16:35
S106	1	"5438590".pn.	US-PGPUB; USPAT	AND	ON	2008/10/28 17:23
S107	1	"5812601".pn.	US-PGPUB; USPAT	AND	ON	2008/10/28 17:28
S108	0	(convolution\$3 near2 cod\$3) and (punctur\$3 or delet\$3 or gap\$1) with serial with stag\$3	US-PGPUB; USPAT	AND	ON	2008/10/28 17:45
S109	3697	(convolution\$3 near2 cod\$3) and (punctur\$3 or delet\$3 or gap\$1)	US-PGPUB; USPAT	AND	ON	2008/10/28 17:45
S110	1538	(convolution\$3 near2 cod\$3) same (punctur\$3 or delet\$3 or gap\$1)	US-PGPUB; USPAT	AND	ON	2008/10/28 17:45

S111	1114	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1)	US-PGPUB; USPAT	AND	ON	2008/10/28 17:45
S112	53	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1) with serial	US-PGPUB; USPAT	AND	ON	2008/10/28 17:46
S113	37	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1) with serial and (@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 17:46
S114	37	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1 or null or eras\$4) with serial and (@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 17:47
S115	37	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1 or null or eras\$4 or blank\$3) with serial and (@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121")	US-PGPUB; USPAT	AND	ON	2008/10/28 18:12
S116	1	(convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1 or null or eras\$4) with serial and (@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121") and "20020138806"	US-PGPUB; USPAT	AND	ON	2008/10/28 18:33
S117	26	blank with punctur\$3 and (transmit\$7 or transmiss\$7)	US-PGPUB; USPAT	AND	ON	2009/01/04 16:19
S118	1	"20020006119".pn.	US-PGPUB; USPAT	AND	ON	2009/01/04 16:23
S119	3	((Martin with Bacher) or (Stefano with Marsili)).in. and punctur\$3	US-PGPUB; USPAT	AND	ON	2009/01/04 16:58
S120	34	(infineon with technolog\$4).as. and punctur\$3	US-PGPUB; USPAT	AND	ON	2009/01/04 16:59
S121	8748	(714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S122	64	(infineon with technolog\$4).as. and (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03

S123	2	blank with punctur\$3 and (transmit\$7 or transmiss\$7) (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S124	21	((Martin with Bacher) or (Stefano with Marsili)).in.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S125	1	((Martin with Bacher) or (Stefano with Marsili)).in. (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S126	167	punctur\$3 near5 inter\$1leav\$3 (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S127	29	((two or "2" or dual or parallel) near2 input near2 interleav\$3) and (@ad< "20020121" or @pd< "20020121" or @rlad< "20020121" or @prad< "20020121") (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S128	14	convolution\$3 near2 cod\$3) with (punctur\$3 or delet\$3 or gap\$1) and (punctur\$3 or delet\$3 or gap\$1 or null or eras\$4) with serial and (@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") (714/699,746,752,756,790 or 711/100,154,157 or 541/59,81 or 375/265).ccls.	US-PGPUB; USPAT	AND	ON	2009/01/04 17:03
S129	1	empty near location with punctur\$3	US-PGPUB; USPAT	AND	ON	2009/03/23 11:43
S130	1	empty near location same punctur\$3	US-PGPUB; USPAT	AND	ON	2009/03/23 11:43
S131	0	insert near2 blank with ((convolution \$3 near2 (code\$2 or coding)) or punctur\$3)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:45
S132	0	insert near2 blank with ((convolution \$3 near2 (code\$2 or coding)) or punctur\$3 or CC)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:45
S133	336	blank with ((convolution\$3 near2 (code\$2 or coding)) or punctur\$3 or CC)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:45
S134	247	null with ((convolution\$3 near2 (code \$2 or coding)) or punctur\$3 or CC)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:45
S135	90	null with ((convolution\$3 near2 (code \$2 or coding)) or punctur\$3)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:45

S136	540	gap\$1 with ((convolution\$3 near2 (code\$2 or coding)) or punctur\$3)	US-PGPUB; USPAT	AND	ON	2009/03/23 11:48
S137	214	(randomi\$7 or inter\$1leav\$3) near3 null	US-PGPUB; USPAT	AND	ON	2009/03/23 11:56
S138	1	"20020006119".pn.	US-PGPUB; USPAT	AND	ON	2009/03/23 14:01
S139	1	"20020085641".pn.	US-PGPUB; USPAT	AND	ON	2009/03/23 14:11
S140	1	"20020085641".pn.	US-PGPUB; USPAT	AND	ON	2009/03/23 14:43
S141	145	(punctur\$3 or insert\$3 or insertion) with dtx	US-PGPUB; USPAT	AND	ON	2009/06/18 11:55
S142	36	(punctur\$3) with dtx	US-PGPUB; USPAT	AND	ON	2009/06/18 11:59
S143	61	(inter\$1leav\$3) with dtx	US-PGPUB; USPAT	AND	ON	2009/06/18 12:02
S144	0	(inter\$1leav\$3) with dtx with punctur \$3	US-PGPUB; USPAT	AND	ON	2009/06/18 12:04
S145	0	(intra\$1leav\$3) with dtx with punctur \$3	US-PGPUB; USPAT	AND	ON	2009/06/18 12:04
S146	0	(intra\$1leav\$3) with gap with punctur \$3	US-PGPUB; USPAT	AND	ON	2009/06/18 12:05
S147	1	(inter\$1leav\$3) with gap with punctur \$3	US-PGPUB; USPAT	AND	ON	2009/06/18 12:05
S148	4	(punctur\$3) with informat\$3 with gap	US-PGPUB; USPAT	AND	ON	2009/06/18 12:27
S149	610	(punctur\$3) with identif\$4	US-PGPUB; USPAT	AND	ON	2009/06/18 13:14
S150	1	(punctur\$3) with negative with identif \$4	US-PGPUB; USPAT	AND	ON	2009/06/18 13:14
S151	21	dtx with insert\$3 with (gap or punctur \$3)	US-PGPUB; USPAT	AND	ON	2009/06/18 13:18
S152	18	(@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121") and dtx with insert\$3 with (gap or punctur\$3)	US-PGPUB; USPAT	AND	ON	2009/06/18 13:19
S153	0	(@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121") and puncturing with layers with commuincat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 13:34
S154	771	(@ad<"20020121" or @pd<"20020108" or @prad<"20020121" or @rlad<"20020121") and puncturing with layers	US-PGPUB; USPAT	AND	ON	2009/06/18 13:34

S155	205	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near2 layer\$1	US-PGPUB; USPAT	AND	ON	2009/06/18 13:35
S156	1	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near2 layer\$1 with identif\$7	US-PGPUB; USPAT	AND	ON	2009/06/18 13:35
S157	4	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near2 layer\$1 with coding	US-PGPUB; USPAT	AND	ON	2009/06/18 13:35
S158	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 layer\$1 with commuincat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 13:36
S159	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 section\$1 with commuincat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 13:36
S160	243	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 section\$1	US-PGPUB; USPAT	AND	ON	2009/06/18 13:36
S161	26	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 section\$1 with rate\$1	US-PGPUB; USPAT	AND	ON	2009/06/18 13:36
S162	31	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 overlap\$4	US-PGPUB; USPAT	AND	ON	2009/06/18 13:50
S163	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 gaps with inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04
S164	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing near5 gap\$1 with inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04
S165	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing with gap\$1 with inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04

S166	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing with dtx with inter\$1leav\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04
S167	40	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and dtx with inter \$1leav\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04
S168	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and dtx with inter \$1leav\$3 with "not"	US-PGPUB; USPAT	AND	ON	2009/06/18 14:04
S169	7	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with data with valid	US-PGPUB; USPAT	AND	ON	2009/06/18 14:09
S170	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with "data_valid"	US-PGPUB; USPAT	AND	ON	2009/06/18 14:18
S171	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 and "data_valid"	US-PGPUB; USPAT	AND	ON	2009/06/18 14:18
S172	0	punctur\$3 and "data_valid"	US-PGPUB; USPAT	AND	ON	2009/06/18 14:18
S173	365	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing with additional	US-PGPUB; USPAT	AND	ON	2009/06/18 14:19
S174	16	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and puncturing with additional with locat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:19
S175	68	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with additional with locat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:20
S176	20	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with additional with locat\$3 NOT S174 not blood	US-PGPUB; USPAT	AND	ON	2009/06/18 14:20

S177	21	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with gap with locat\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:21
S178	5	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with over\$lap\$4 with avoid	US-PGPUB; USPAT	AND	ON	2009/06/18 14:21
S179	6	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with over\$lap\$4 with avoid\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:21
S180	362	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and hiperlan adj "2"	US-PGPUB; USPAT	AND	ON	2009/06/18 14:23
S181	20	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and hiperlan adj "2" and punctur\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:23
S182	26	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (hiperlan adj "2" or hiperlan\$1"2") and punctur\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:24
S183	26	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (h\$1perlan adj "2" or h\$1perlan\$1"2") and punctur\$3	US-PGPUB; USPAT	AND	ON	2009/06/18 14:26
S184	0	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and (h\$1perlan adj "2" or h\$1perlan\$1"2") and punctur\$3 with signaling	US-PGPUB; USPAT	AND	ON	2009/06/18 14:36
S185	44	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with signaling	US-PGPUB; USPAT	AND	ON	2009/06/18 14:36
S186	32	(@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 near5 signaling	US-PGPUB; USPAT	AND	ON	2009/06/18 14:36
S187	178	(liu with shuwang).xa.	US-PGPUB; USPAT	AND	ON	2009/08/20 14:43

S188	229	(liu with shuwang).xp. and @pd< "20070101"	US-PGPUB; USPAT	AND	ON	2009/08/20 14:47
S189	67	@ad< "20020121" or @pd< "20020108" or @prad< "20020121" or @rlad< "20020121") and punctur\$3 with protocol	US-PGPUB; USPAT	AND	ON	2009/08/20 14:58
S190	1	"6604216".pn.	US-PGPUB; USPAT	AND	ON	2009/08/20 15:04
S191	1	"20040179139".pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 19:44
S192	1	"6604216".pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 19:45
S193	3	("7251294" or "6131180" or "6604,216").pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 20:21
S194	3	("7251294" or "6131180" or "6604216").pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 20:21
S195	1	("20070211810").pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 20:23

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and empty with location with indicat\$3 and punctur\$3	USPAT; UPAD	AND	ON	2010/02/12 17:08
L10	0	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and ((empty or null) with location with indicat\$3 and punctur\$3).clm.	USPAT; UPAD	AND	ON	2010/02/12 17:13
L13	118	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and (first with punctur\$3 and second with punctur\$3).clm.	USPAT; UPAD	AND	ON	2010/02/12 17:15
L14	3	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and (first with punctur\$3 and second with punctur\$3 and (empty or null or gap)).clm.	USPAT; UPAD	AND	ON	2010/02/12 17:15
L15	9	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and (punctur\$3 and (empty or null or gap)).clm.	USPAT; UPAD	AND	ON	2010/02/12 17:17

L16	2	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and (punctur\$3 and delay with (multiplex\$2 or mux)).clm.	USPAT; UPAD	AND	ON	2010/02/12 17:22
L17	4	(714/699,746,752,756,790 or 541/59,81 or 711/100,154,157 or 375/146-147,241,259,261,262,265). ccls. and (punctur\$3 and (delay or register) with (multiplex\$2 or mux)). clm.	USPAT; UPAD	AND	ON	2010/02/12 17:24
L18	22	("5029331").URPN.	USPAT	AND	ON	2010/02/12 17:27

2/ 12/ 2010 5:30:12 PM

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